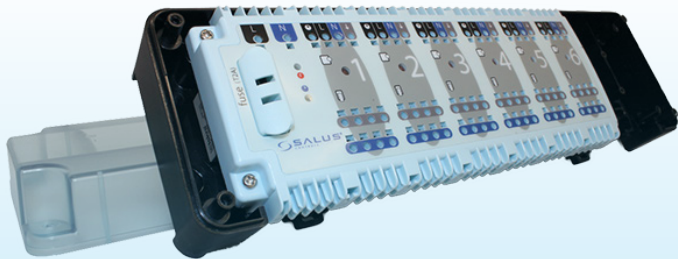


MULTIPIPE

MASTER 6-ZONE WIRING CENTRE FOR 230 V

Model: 22-23012



Quick Guide

Multipipe Ltd
Unit 12 Great Hayes Business Park
Lower Burnham Road
Stow Maries
Chelmsford, Essex, CM3 6SQ

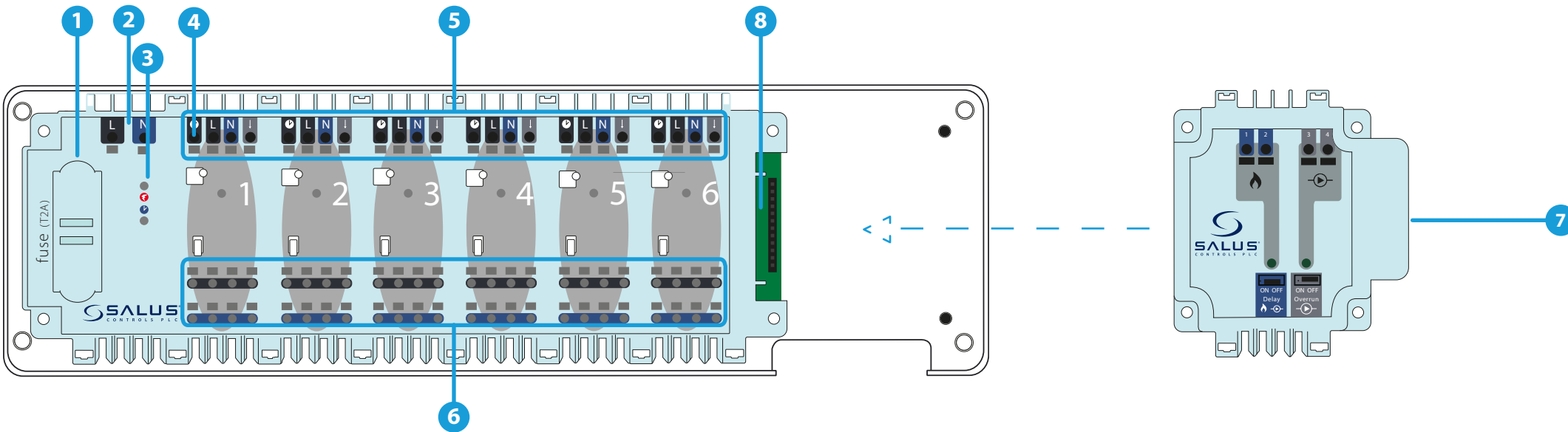
Sales
T: 01245 227630
E: sales@multipipe.co.uk

Technical
T: 01245 850799
E: technical@multipipe.co.uk

www.multipipe.co.uk

Wiring centre description

1. Cartridge fuse 5 x 20 mm 2 A
2. Power Supply
3. Diodes
4. NSB (Night Set Back reduction) function
5. Thermostats connection
6. Actuators connection
7. Pump and boiler control module
8. Serial connector for pump and boiler control module



Introduction

The 22-23012 Master 6-Zone Wiring Centre for 230 V allows easy and quick connection of thermostats and actuators.

It has a serial connector for additional module (sold separately):

- Pump and boiler control module
- The wiring centre is adapted to work with NC type actuators (normally closed) and maximum 6 thermostats.

Product Compliance

This product complies with the essential requirements and other relevant provisions of the following EU Directives: EMC 2014/30/EU, Low Voltage Directive LVD 2014/35/EU, RoHS directive 2011/65/EU. The full text of the EU Declaration of Conformity is available at the following internet address: www.saluslegal.com.

Safety information

Use in accordance to national and EU regulations. Use the device as intended, keeping it in dry condition. Product for indoor use only. Installation must be carried out by a qualified person in accordance to national and EU regulations.

Before any of operation related to power supply (connecting wires, installing the device, etc.), make sure that wiring centre is not connected to any power source. Installation must be carried out by a qualified person. Incorrect connection of the wires may cause damage to the wiring centre. The wiring centre can not be used in conditions of water vapor condensation neither exposed to water.

Technical Information

Power Supply	230 V AC 50 Hz
Max load	2 (1) A
Outputs	Terminals for actuators (230 V)
Dimensions [mm]	300 x 86 x 63

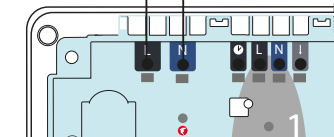
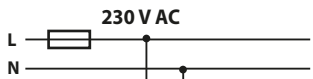
1. Fuse

Note: Replace the fuse only when the wiring centre is disconnected from power supply (230 V ~).

Main fuse is located under the housing cover next to power supply terminals and secures the wiring centre and the devices connected to it. Use cartridge fuses (5x20 mm) with nominal max current 2 A. To replace fuse remove the fuse holder with a flat screwdriver and pull out the fuse.

2. Power Supply

Power supply for wiring centre is 230 V ~ 50Hz.



- Features:
- two-wire installation,
 - made in accordance with applicable regulations.

3. LED diodes

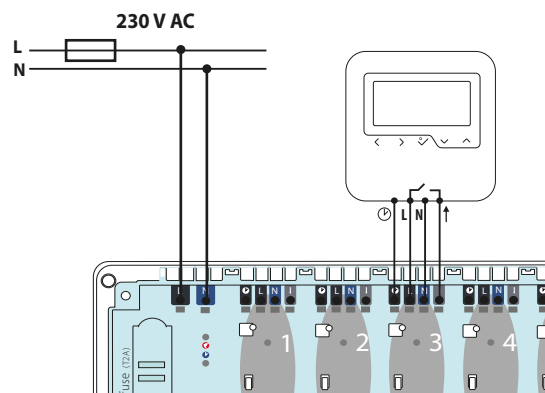
- green LED diode indicates power supply connection (230 V AC)
- orange LED diode indicates NSB function being activated

4. NSB (Night Set Back reduction) function

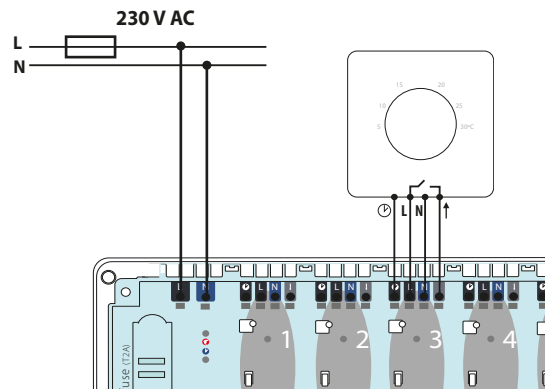
NSB function is activated in non-programmable thermostats via external signal. NSB 230 V signal (night-time temperature reduction) is sent via an external timer or programmable thermostat connected to the wiring centre. Non-programmable thermostats are receiving NSB signal and reducing setpoint temperature (by switching to eco mode). All thermostats have to be connected using a 4-wire cable (min. 4 x 0,75 mm², max. 4 x 1,5 mm²).

5. Thermostats connection

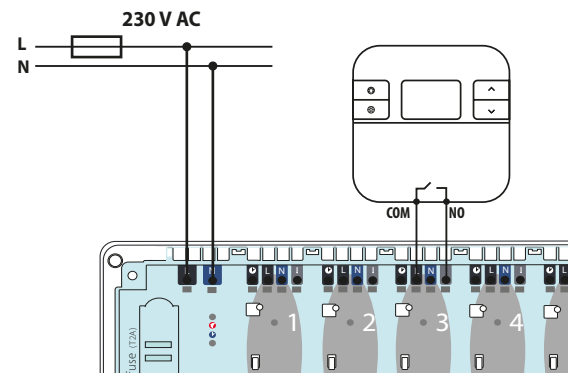
- Connecting with programmable 230 V thermostat (e.g. 22-23003)



- Connecting with other 230 V thermostat



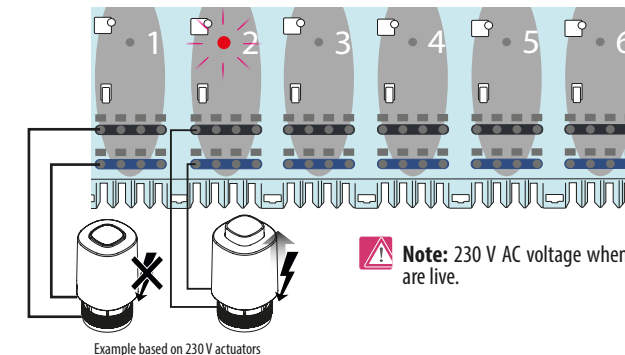
- Connecting with other Volt-Free thermostat



Note: Some product series have interchangeable signifying:
↑ = SL
⊙ = NSB

6. Actuators connection

The actuator wires should be secured with the self locking connectors in the appropriate zone. Up to 6 actuators with a load of up to 2 Watts each can be connected to a single zone. Should more than 6 actuators be required in a zone use an additional relay to relieve the output.



Note: 230 V AC voltage when actuators are live.

7. Pump and boiler control module

Pump and boiler control module is used to control the pump and the boiler using volt-free COM/NO contacts. When any of thermostats connected to the Master 6-Zone Wiring Centre for 230 V reports heat demand, COM/NO contacts are closing. COM/NO contacts are opening, when thermostats connected to the wiring centre will stop sending signal for heating.

ON-OFF Delay jumper

Is used to activate the delay output for the pump and boiler. Default is „ON“.



- „ON“ position activates the pump and boiler outputs with a delay of 3 minutes after the heating signal is supplied from any of the thermostats connected to the wiring centre.
- „OFF“ position causes immediate activation of the pump and boiler outputs.

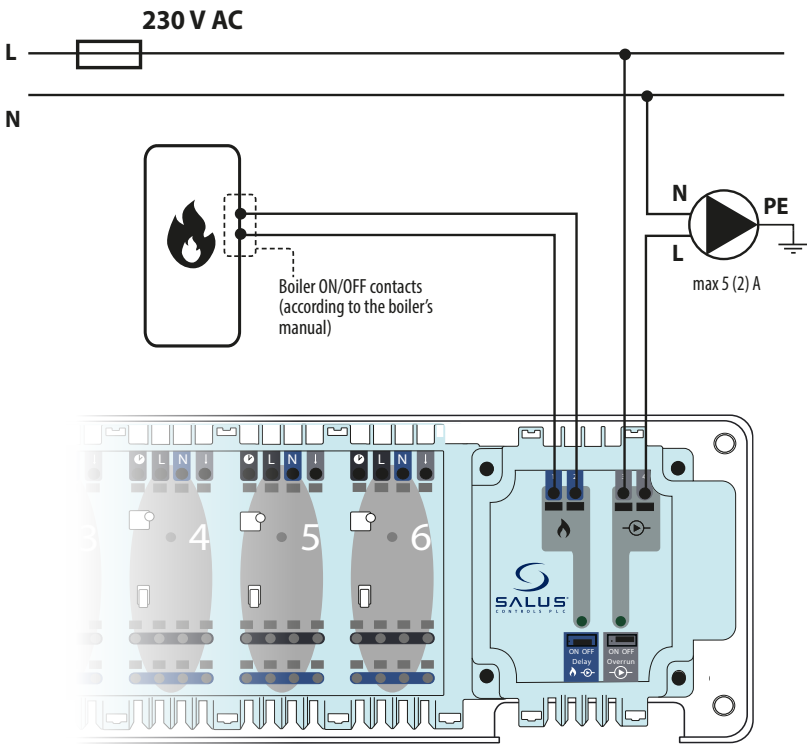
ON-OFF Overrun jumper

Is used to activate the delay output for the pump when heating is satisfied. Default is „ON“.



- „ON“ position turns OFF the pump output with a delay of 3 minutes when all thermostats stop calling for heat.
- „OFF“ position immediately turns OFF the pump output when all thermostats stop calling for heat.

PUMP AND BOILER CONTROL MODULE

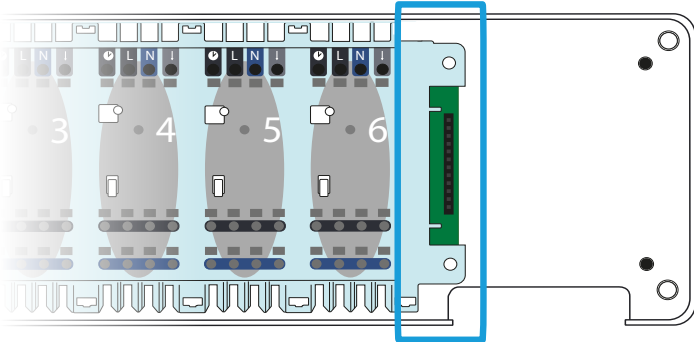


Power Supply	from the wiring centre
Max load	5 (2) A
Outputs	2 x NO/COM relay
Dimensions [mm]	70 x 80 x 20

8. Serial connector for pump and boiler control module

It provides communication between the wiring centre and the pump and boiler control module. Wiring centre + pump and boiler control module increases functionality and additionally makes possible to control pump and boiler. Pump and boiler control module is powered from the wiring centre.

The pump and boiler control module is being supplied together with Master 6-Zone Wiring Centre for 230 V.



INSTALLATION

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INSTALLATION OF THE ADDITIONAL PUMP AND BOILER CONTROL MODULE

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Note: Before connecting the pump and boiler control module, disconnect the main power from the wiring centre.